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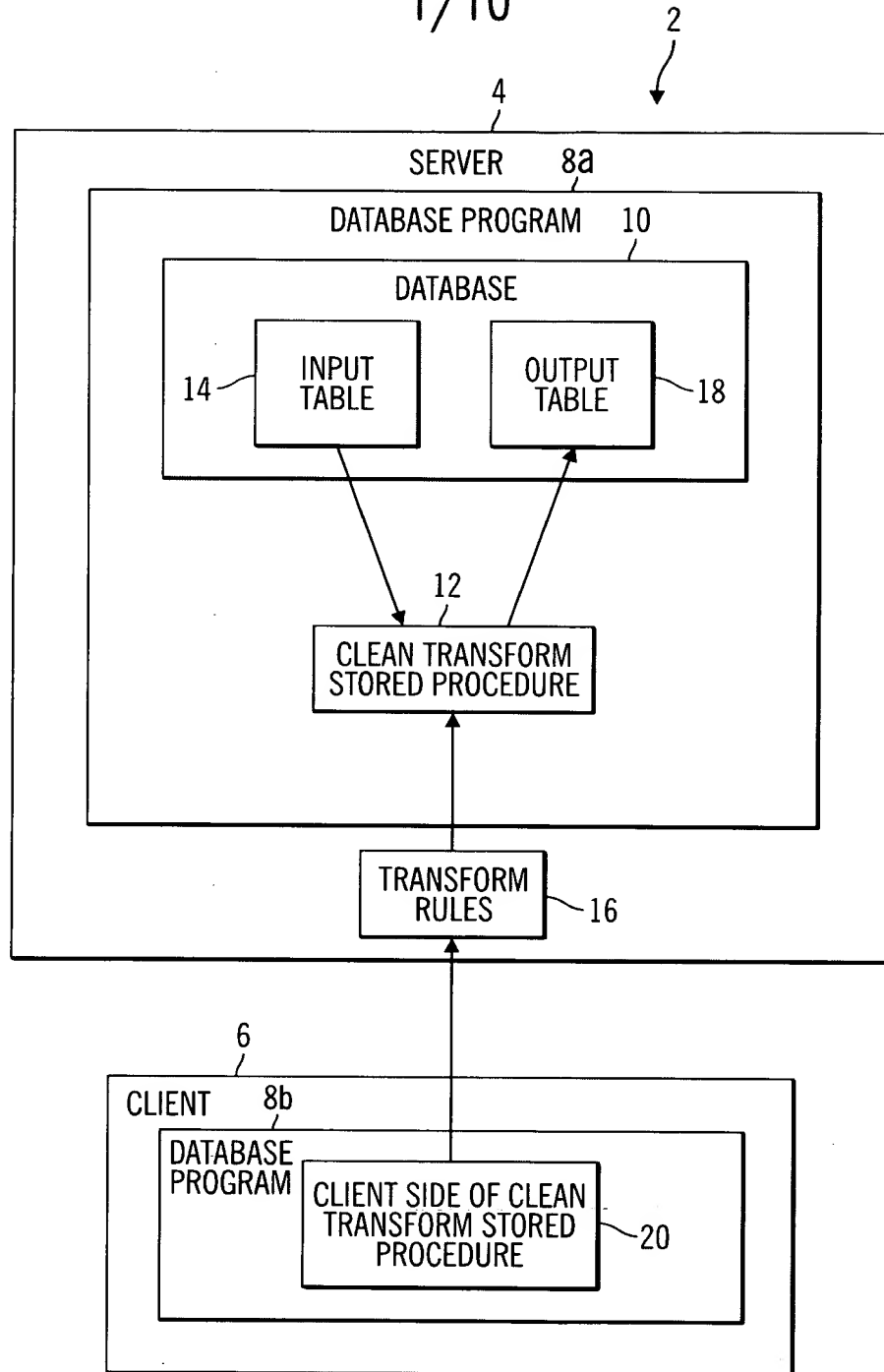
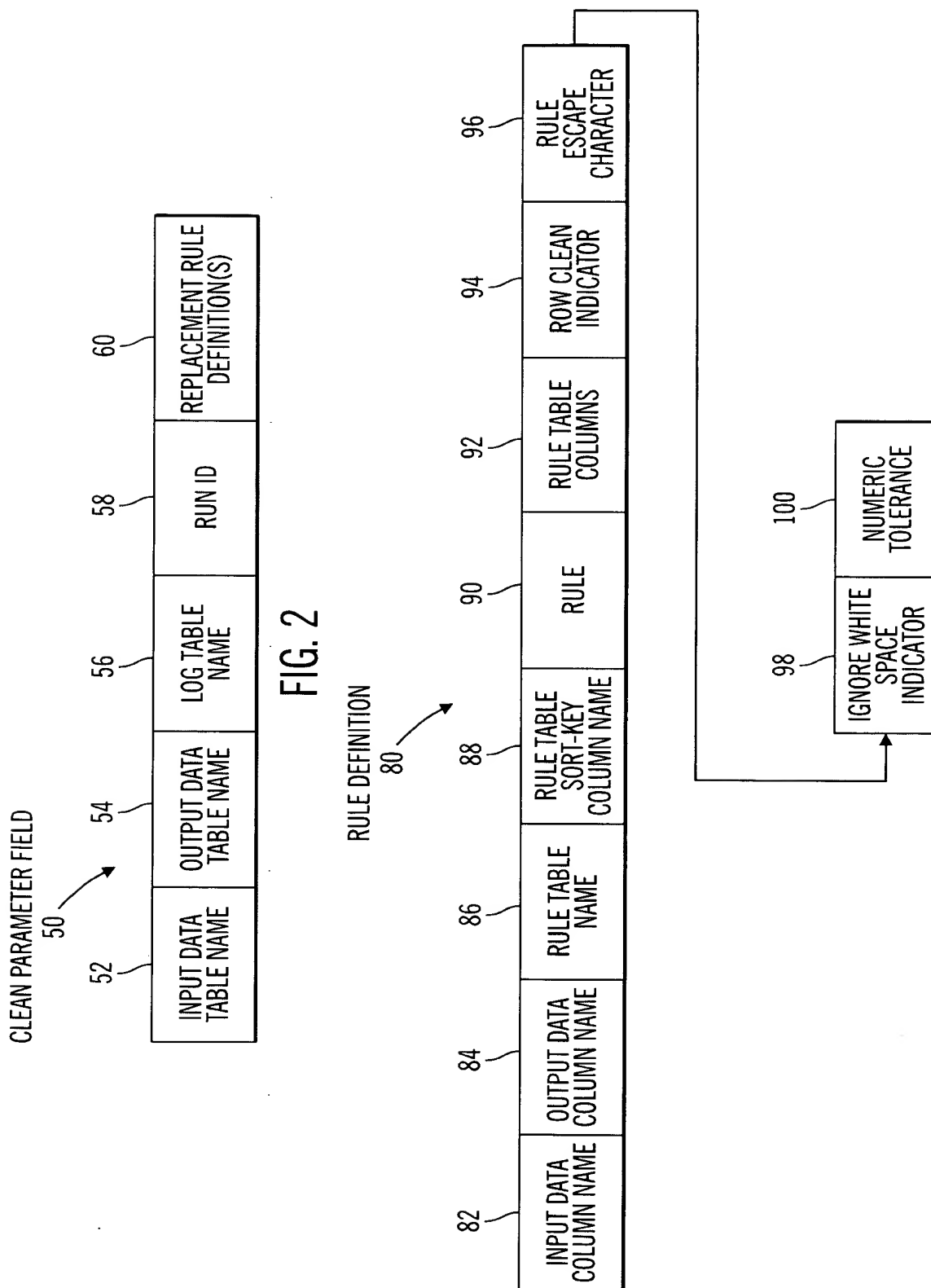


FIG. 1

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| | |
|--------------|------------------------|
| FIND PATTERN | REPLACEMENT TEXT VALUE |
|--------------|------------------------|

FIG. 3a

| | |
|------------|------------------------|
| FIND VALUE | REPLACEMENT TEXT VALUE |
|------------|------------------------|

FIG. 3b

| | | |
|-------------|-------------|-------------------|
| LOWER BOUND | UPPER BOUND | REPLACEMENT VALUE |
|-------------|-------------|-------------------|

FIG. 4

| | | | |
|-------------|-------------------------|-------------|-------------------------|
| LOWER BOUND | LOWER REPLACEMENT VALUE | UPPER BOUND | UPPER REPLACEMENT VALUE |
|-------------|-------------------------|-------------|-------------------------|

FIG. 5

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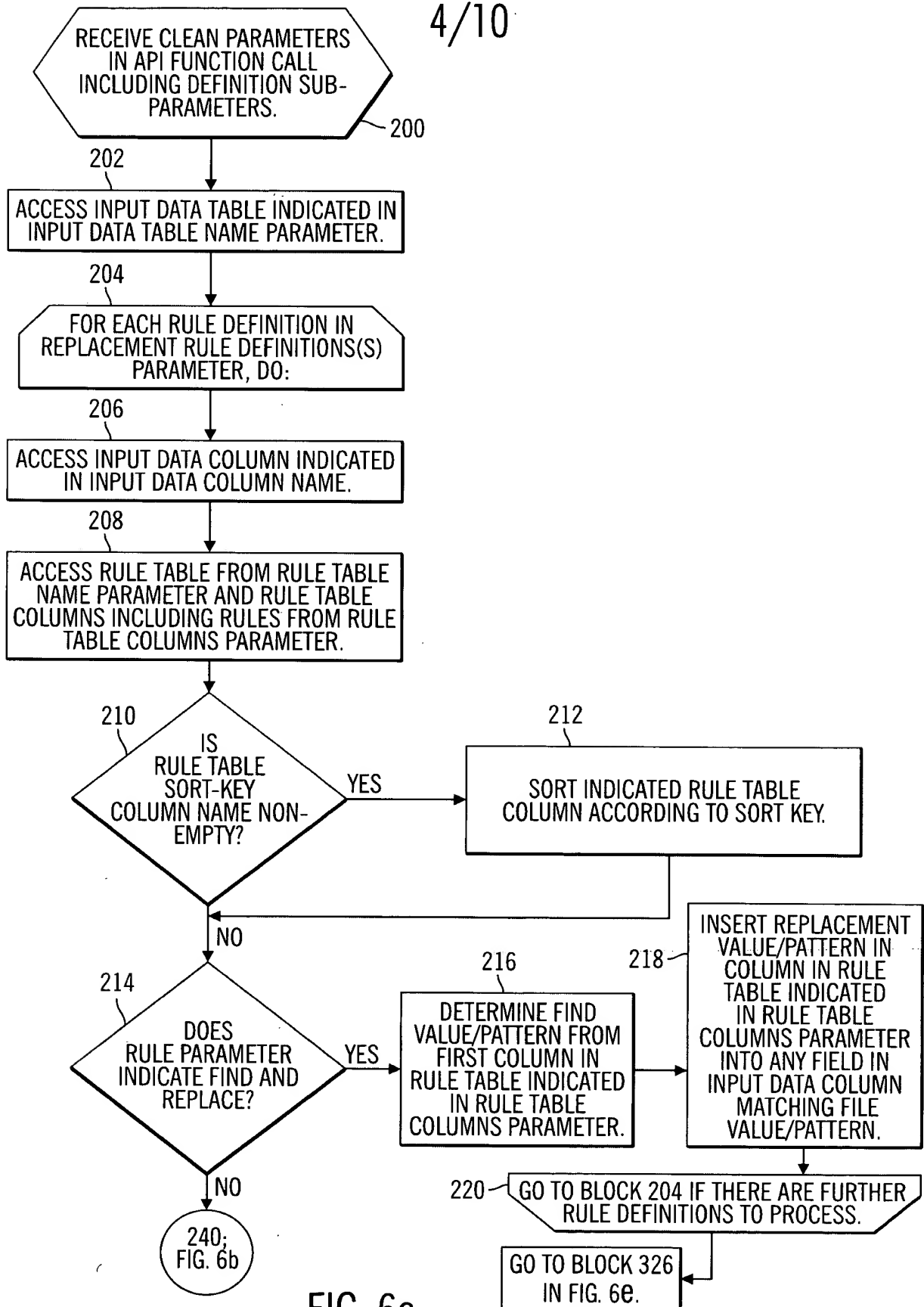


FIG. 6a

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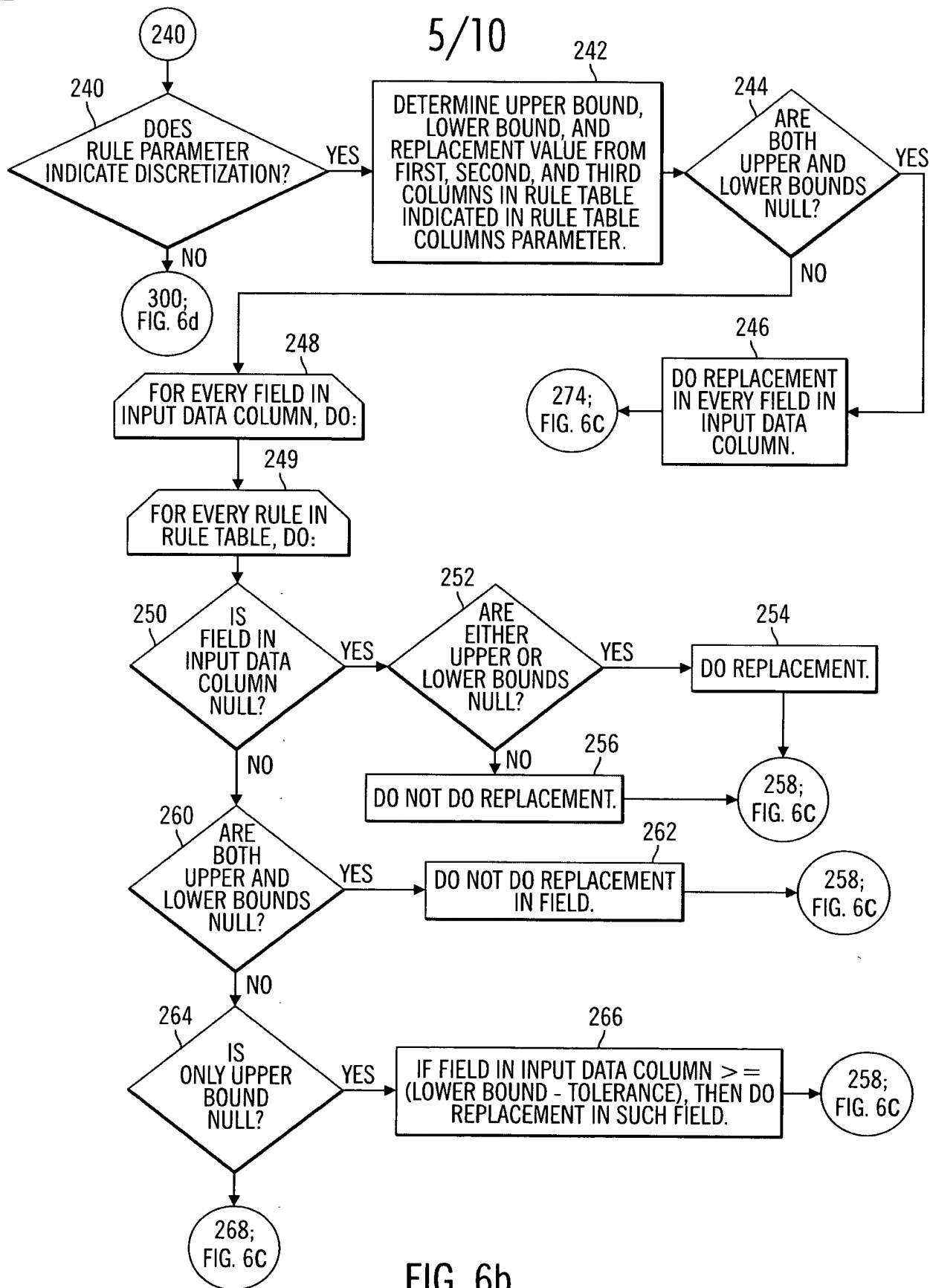


FIG. 6b

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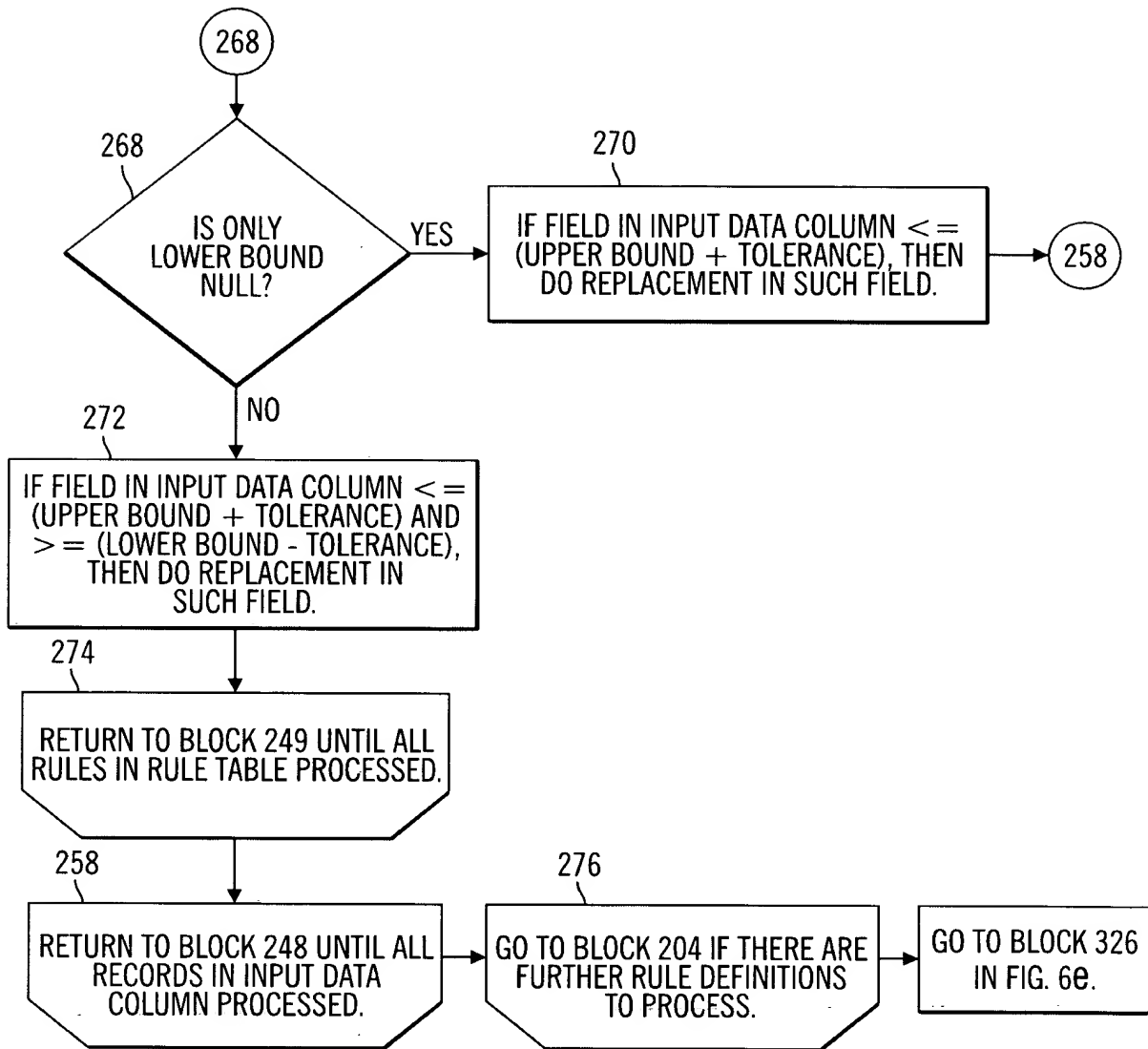


FIG. 6c

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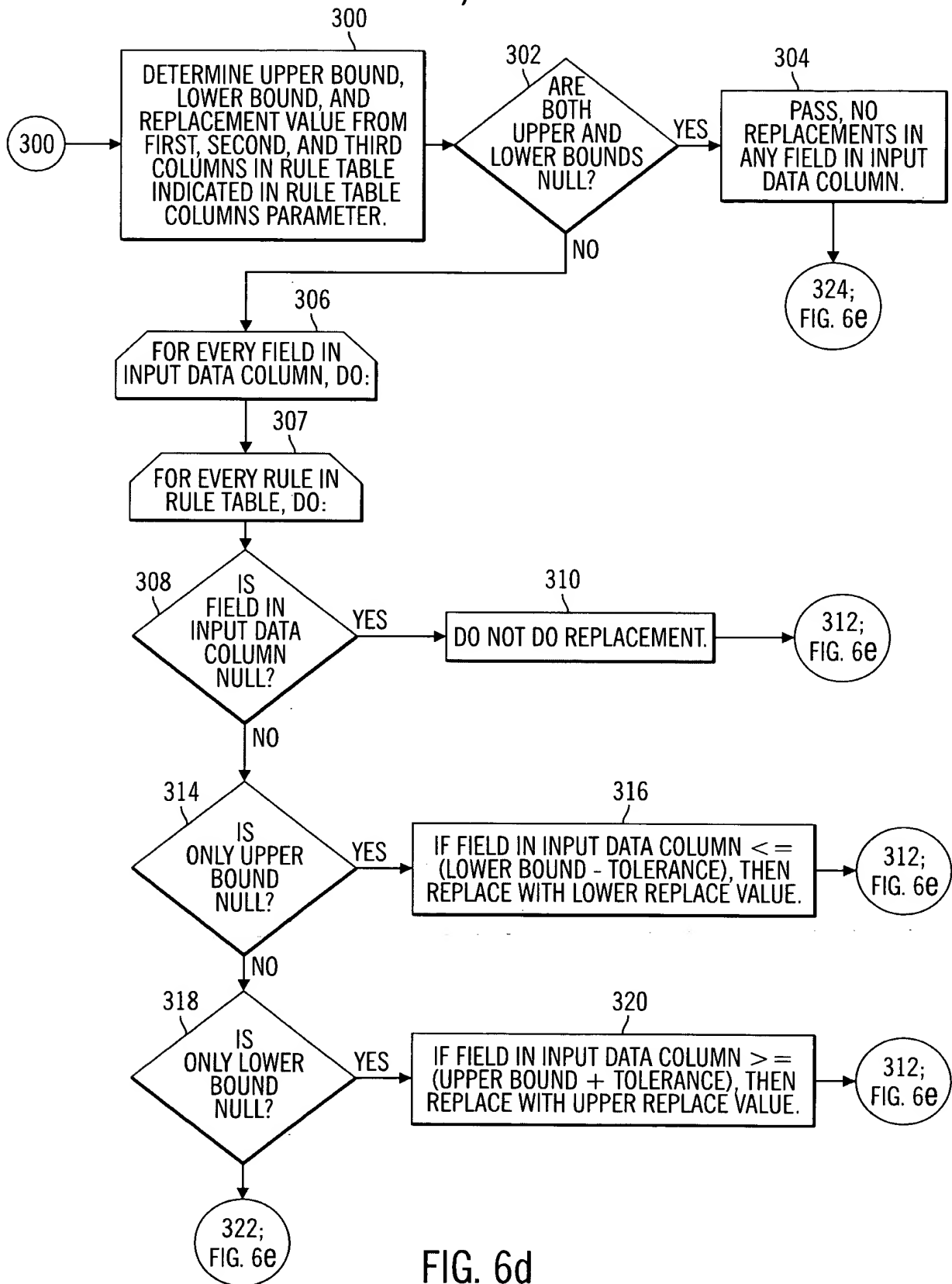


FIG. 6d

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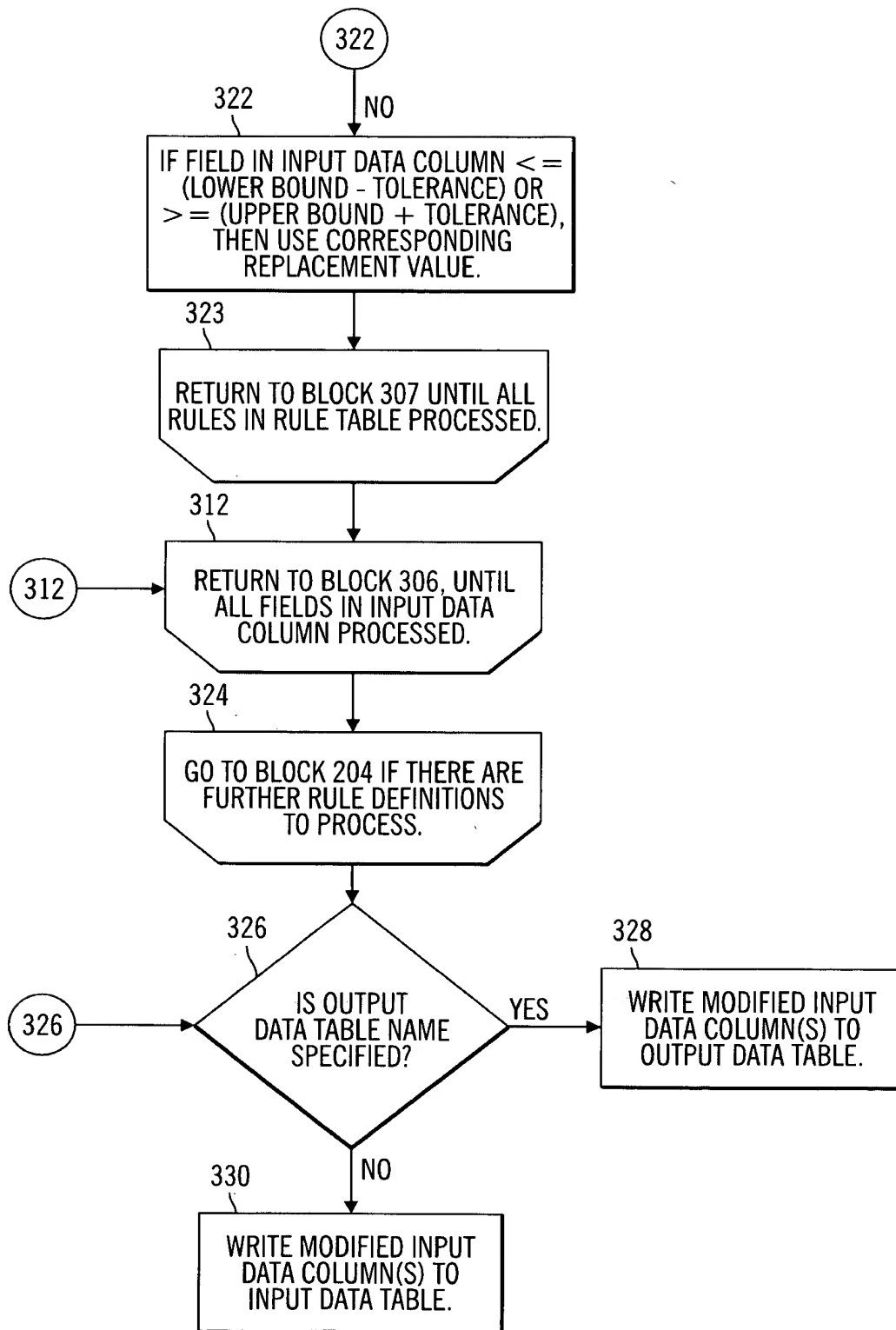


FIG. 6e

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| CITY | PRODUCT NAME | PRODUCT CATEGORY | SALES (\$) | UNIT SALES |
|--------------|--------------|------------------|---------------|------------|
| VARCHAR (20) | VARCHAR (30) | VARCHAR (15) | DECIMAL (8,2) | INTEGER |
| 11%LAX455 | PICK AXE | IATE | 5897.32 | 1100 |
| SJC1298%SEA | SMALL SHOVEL | JXJ8972 | 456.98 | 43 |
| %LAX6%SF094 | TARP | HAU1245 | 893.12 | 422 |
| %SJC34LAX45 | FLARES | AX111 | 1200.45 | 1189 |
| 4515%SEA | NULL | AC183 | 333.9 | 23 |
| 3452%SJC34 | "" | MIS222 | 1818.4 | 15002 |

FIG. 7

| FIND VALUE | REPLACE VALUE |
|--------------|-------------------|
| VARCHAR (10) | VARCHAR (20) |
| %%LAX% | LOS ANGELES |
| %%DFW% | DALLAS/FORT WORTH |
| %%SJC% | SAN JOSE, CA |
| %%SFO% | SAN FRANCISCO |
| %%SEA% | SEATTLE/TACOMA |

FIG. 8a

| LOWER BOUND | LOWER REPLACEMENT | UPPER BOUND | UPPER REPLACEMENT |
|-------------|-------------------|-------------|-------------------|
| INTEGER | INTEGER | INTEGER | INTEGER |
| 100 | 100 | 15000 | NULL |

FIG. 8b

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| SORT COLUMN | LOWER BOUND | UPPER BOUND | REPLACE VALUE |
|-------------|-------------|-------------|---------------|
| INTEGER | VARCHAR (6) | VARCHAR (6) | VARCHAR (10) |
| 1 | I | IZZZZ | SPECIAL |
| 2 | HA | JZ | HARDWARE |
| 3 | LA | NZ | MISCEL |
| 4 | AA | BJ | WINTER STORM |
| 5 | RX | NULL | WINTER STORM |

FIG. 8c

| FIND VALUE | REPLACE VALUE |
|-------------|---------------|
| VARCHAR (5) | VARCHAR (10) |
| NULL | "" |

FIG. 8d